

C L A I M S

1. Method for fabrication of a reinforcing blank in a composite material, where the reinforcing blank is fabricated by longitudinal fibres and a sheathing layer of fibre or foil, or other suitable material, characterised by the following steps:

to moisten, in an in itself known way, fibre thread with a binding agent,

to reel the moistened fibre thread to a blank bundle in a closed, approximately circular shape, comprising a layer of desired thickness of longitudinal, parallel fibres, whereby all longitudinal, parallel fibres in the layer achieve approximately equal axial tightening, and

to envelope, in an in itself known way, an outer layer of fibre threads, and/or foil/band, around the layer of longitudinal fibres, and

to finish the fabrication of the prepared blank in a second forming process.

2. Method in accordance with claim 1, characterised in that the enveloping comprises winding on, in an in itself known way, an outer layer of fibre threads, and/or foil/band, in a helically form around the layer of longitudinal fibres.

3. Method in accordance with claim 1, characterised in that the enveloping comprises knitting on, in an in itself known way, an outer layer of fibre threads, and/or foil/band, around the layer of longitudinal threads.

4. Method in accordance with claim 1, characterised in that the moistened fibre thread is reeled into a blank bundle by reeling of the fibre thread on a rotational plate (12) with a number of holding means (14) for fibre thread, to the approximately circular shape.

5. Method in accordance with claim 4, characterised in that the final forming of the reeled bundle is carried out by tightening in a jig to the required shape and by subsequent heating to the curing temperature of the binding agent.

6. Method in accordance with claim 5, characterised in that the finally formed blank can be divided in two or more parts.

7. Method in accordance with claims 2 or 3, characterised in that the fibre thread which is used is selected from a group including glass, basalt, carbon, thermoplastic or the like.

8. Method in accordance with claims 2 or 3, characterised in that thermoset plastic is used as a binding agent.

9. Method in accordance with claims 2 or 3, characterised in that thermoplastic is used as a binding agent.

10. Device (10) for reeling and winding of fibre thread to be used in reinforcing rods of composite material, characterised by a rotational plate (12) comprising a number of holding means (14) for fibre threads, where the holding means (14) are arranged mutually spaced apart adjacent to the outer edge of the plate (12), for reeling of an approximately circular blank with longitudinal fibre threads.

11. Device in accordance with claim 10, characterised in that the holding means (14) consists of wheels comprising suitable grooves for the fibre threads.

12. Device in accordance with claim 10,
c h a r a c t e r i s e d i n that the device (10)
comprises at least one winding appliance (18,20) arranged
to wind fibre thread, and/or foil or other suitable
material in a helically form round the longitudinal fibre
threads.

13. Device in accordance with claim 10,
c h a r a c t e r i s e d i n that the device (10)
comprises at least one knitting appliance arranged to knit
fibre thread, and/or foil, or other suitable material
around the longitudinal fibre threads.

14. Device in accordance with claim 10,
c h a r a c t e r i s e d i n that the device (10)
comprises a tightening appliance (16) arranged to tighten
and to regulate the supply of the fibre thread to the
holding means (14) of the rotational plate (12).